



ecology and environment, inc.

CLOVERLEAF BUILDING 3, 6405 METCALF, OVERLAND PARK, KANSAS 66202, TEL. 913/432-9961

International Specialists in the Environment

MEMORANDUM

TO: Roy Crossland, EPA/DPO

FROM: Dave Kinroth, E & E/TATM *DK*

THRU: Joe Chandler, E & E/TATL *JCC*

DATE: May 9, 1995

SUBJECT: Site Assessment: Carter Carburetor, St. Louis, Missouri

SSID: JJ

TDD: T07-9503-001

PAN: EMO1034SCA

OSC: Don Hamera

17126

| | |
|---------|-------------------|
| Site: | Carter Carburetor |
| File #: | MO000823601 |
| Break: | 1.5 |
| Other: | 5-9-95 |

INTRODUCTION

The Ecology & Environment, Inc. (E & E), Technical Assistance Team (TAT) was tasked by the U.S. Environmental Protection Agency (EPA) Region VII Emergency Planning and Response (EP&R) Branch under Technical Direction Document (TDD) T07-9503-001 to assist the on-scene coordinator (OSC) in conducting a site reconnaissance at the Carter Carburetor site located at 2800-2840 North Spring in St. Louis, Missouri. The purpose of this site visit was to document current site conditions and to check on the condition of fences and warning signs at this site, which is contaminated with polychlorinated biphenyls (PCBs). A trip report documenting the site visit and detailing current site conditions was requested upon completion.

BACKGROUND

The former Carter Carburetor facility manufactured equipment for gasoline and diesel powered engines dating back to the 1930s. Carter Carburetor and Carter Automotive Products were subsidiaries of ACF Industries, Inc. ACF acquired the site property prior to the 1930s. In the mid-1980s, ACF closed the facility and most of the equipment was dismantled and shipped to new locations or sold. On April 26, 1985, the Land Reutilization Authority of St. Louis (LRA) accepted title of the property from ACF and on the same day sold the property to Hubert R. Thompson. The LRA had been informed by ACF that there was electrical equipment on site containing PCBs and subsequently Thompson was also informed. On October 29, 1991, the site was sold to George Moore, president of Carter Building Inc. (CBI), after Thompson defaulted on the property loan. Currently, CBI owns the western part of the facility and the LRA owns the northeastern part of the facility. CBI currently leases portions of their facility to various businesses.



DK/LJD

S00072975
SUPERFUND RECORDS

EMO1034SCA/9503001/F

As part of the purchase agreement, Thompson had been required to initiate actions to dispose of PCB-contaminated materials from the site. Thompson did initiate some cleanup activity on site in a vaulted pump room near the center of the building which housed electrical substation #1. Contractors removed PCB transformers and the PCB-contaminated concrete transformer pad. Following these actions, verification studies were performed by Environmental Operations, Inc.; Environmental Science & Engineering, Inc.; and EPA personnel. These studies indicated PCB contamination was still present on site.

EPA and TAT conducted two additional site assessments at the former Carter Carburetor facility in November, 1993 and in March, 1994 under TDDs T07-9310-027 and T07-9403-001, respectively. During the initial site assessment activity, which targeted areas near former and existing transformer pads in both the CBI and LRA owned portions of the building, PCBs were detected in every sample collected except for the field blank wipe sample. Two drums of waste oil under substation #4 were sampled and contained PCBs at 620,000 and 640,000 mg/kg or parts per million (ppm). Soil under this substation contained 180,000 ppm PCBs. Dust and wipe samples collected from the floor or other surfaces in both portions of the building all contained PCBs ranging up to 10,200 ppm and 410,000 ug/cm² respectively.

The second site assessment was conducted by EPA and TAT in an effort to further delineate the extent of contamination throughout the entire site and to address the potential threat of exposure to employees working in the leased portions of CBI. Additional wipe and soil/dust samples were collected from the LRA portion of the building and from all four floors of the CBI area. High volume air samples were collected in the portions of CBI occupied by tenants. PCB levels above the Toxic Substances Control Act (TSCA) spill cleanup levels of 10 ug/100cm² for wipe samples and 10 ppm for soil/dust samples from nonrestricted access areas, as outlined in 40 CFR 761 Subpart G, were found throughout both the LRA and CBI portions of the site except for the fourth floor of the CBI property. The maximum concentration of PCBs detected in the air₃ samples was 0.00011mg/m³, below the NIOSH action level of 0.001 mg/m³.

TAT was subsequently tasked to assist the EPA/OSC Don Hamera with a followup inspection at the site on March 20, 1995. TAT was specifically requested to document current site conditions, check on the condition of fences and warning signs on site, and to be prepared to conduct limited sampling if requested.

SITE ACTIVITY

TAT member David Kinroth met with EPA/OSC Hamera and Paul Doherty from the EPA Superfund (SPFD) Branch on site at 1245 hours on March 20, 1995, to conduct the site inspection. The inspection began at the LRA owned portion of the site on the northeast end of the building. A list of personnel present is presented below:

Don Hamera
Paul Doherty
David Kinroth

EPA/EP&R OSC
EPA/SPFD
E & E/TAT

Gene Schmittgtins
Terry Lueckenhoff

Private Counsel for LRA
" " " "

Ray Holland

LRA/St. Louis Development Corp.
Maintenance

Tim Hippensteel

Environmental Operations/contractor
representative for LRA

The following observations were noted during the site inspection of the LRA owned portion of the site:

- 1) A hole in the site perimeter fence existed on the north end of the lot along Dodier Street, allowing unrestricted entrance onto the site.
- 2) A window frame missing from the west end of the north side of the diecast building allowed access to the building. It was evident that people had recently been in the building as evidenced from new beverage cans, trash etc. in the building.
- 3) In general, site conditions continue to deteriorate from the elements. The roof has collapsed in some areas, and direct access is available to the building's interior.

Following the inspection of the LRA owned diecast building area, EPA and TAT met with personnel representing CBI to conduct an inspection of the remainder of the facility owned by CBI. The following personnel representing CBI were present during the site reconnaissance:

Tom Kerr

Representative for CBI

James McMullin

Private Counsel for CBI

Robert Johnson

Fugro-McClelland Environmental
Consultants

Observations noted during the site inspection of the CBI owned portion of the site revealed the following changes:

- 1) George Moore no longer uses the southeast corner area of the first floor as an office area. A new tenant, Caribou Corporation, currently occupies this area of the building and produces windshield washer fluid. Tom Kerr indicated that the principal of Caribou Corporation is King Taylor.
- 2) CBI has begun cleaning the first and second floor areas of their building, sweeping up dust and clearing debris. There had been no changes on the third and fourth floors.

The inspection then continued on the CBI first floor north where the tenant, Marion Tow, operates a metal fabrication business. The only change noted here was a plywood wall that had been constructed in an effort to seal off the metal fabrication business from the remainder of the building. Tow indicated that water from the LRA diecast area still runs into his area on the first floor north during periods of rain and he expressed a desire to have LRA somehow divert the flow of water to alleviate this problem. Both Tow and Kerr indicated that people regularly enter the site through the LRA property and thereby gain access to the remainder of the building and CBI property.

The site reconnaissance inspection was completed and TAT and EPA departed from the site at 1515 hours on March 20, 1995.

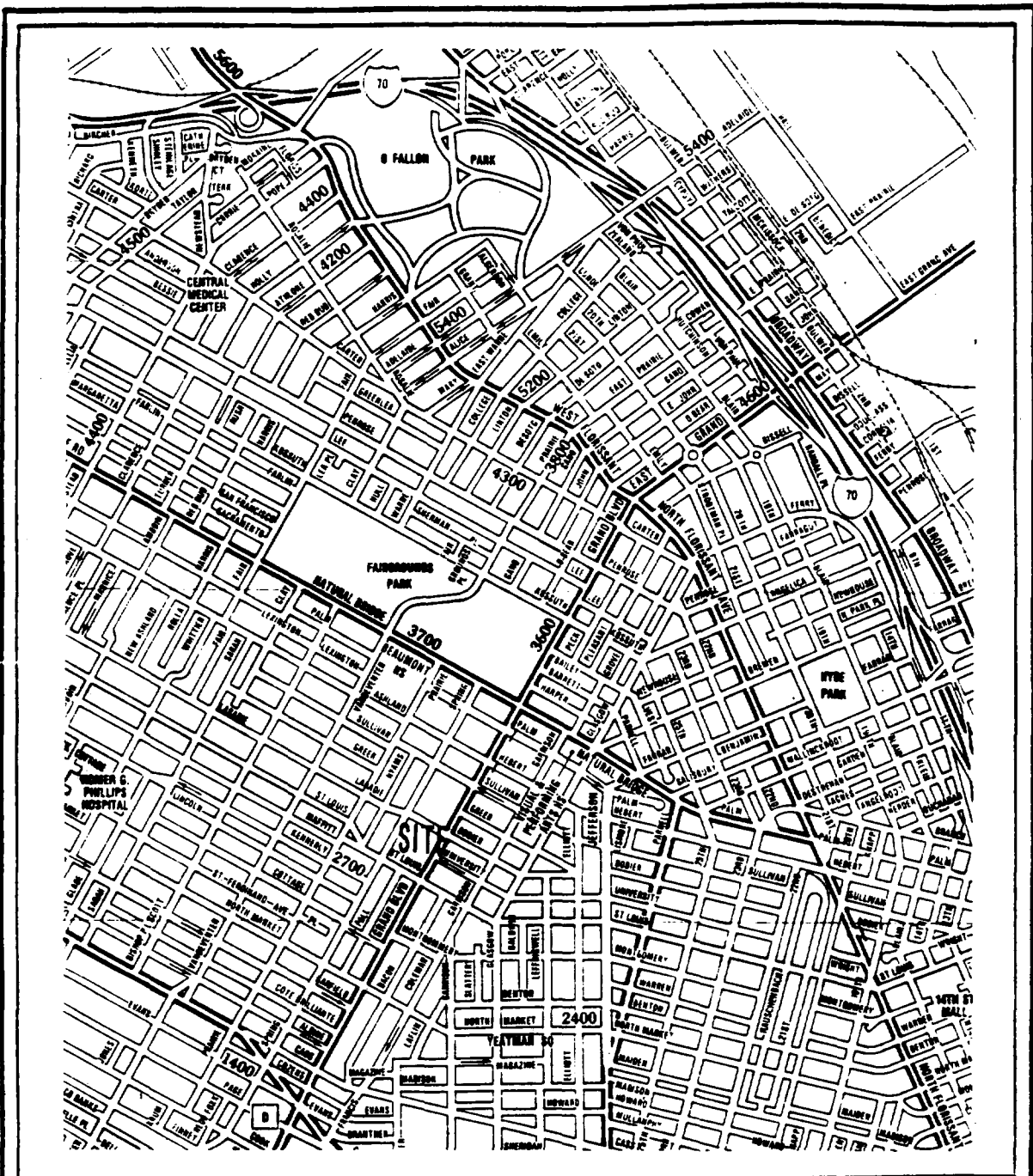
SUMMARY

TAT was tasked by Region VII EPA/EP&R to assist the OSC conduct a site inspection at the former Carter Carburetor site in St. Louis, Missouri. TAT accompanied the OSC during the inspection on March 20, 1995, and provided technical assistance and documentation of current site activity and conditions. No samples were collected during this activity.

ATTACHMENTS

- Attachment A - Site Location Map
- Attachment B - Site Diagram
- Attachment C - Photographic Record

ATTACHMENT A



SITE LOCATION MAP

CARTER CARBURETOR SITE

2800-2840 North Spring, St. Louis, MO

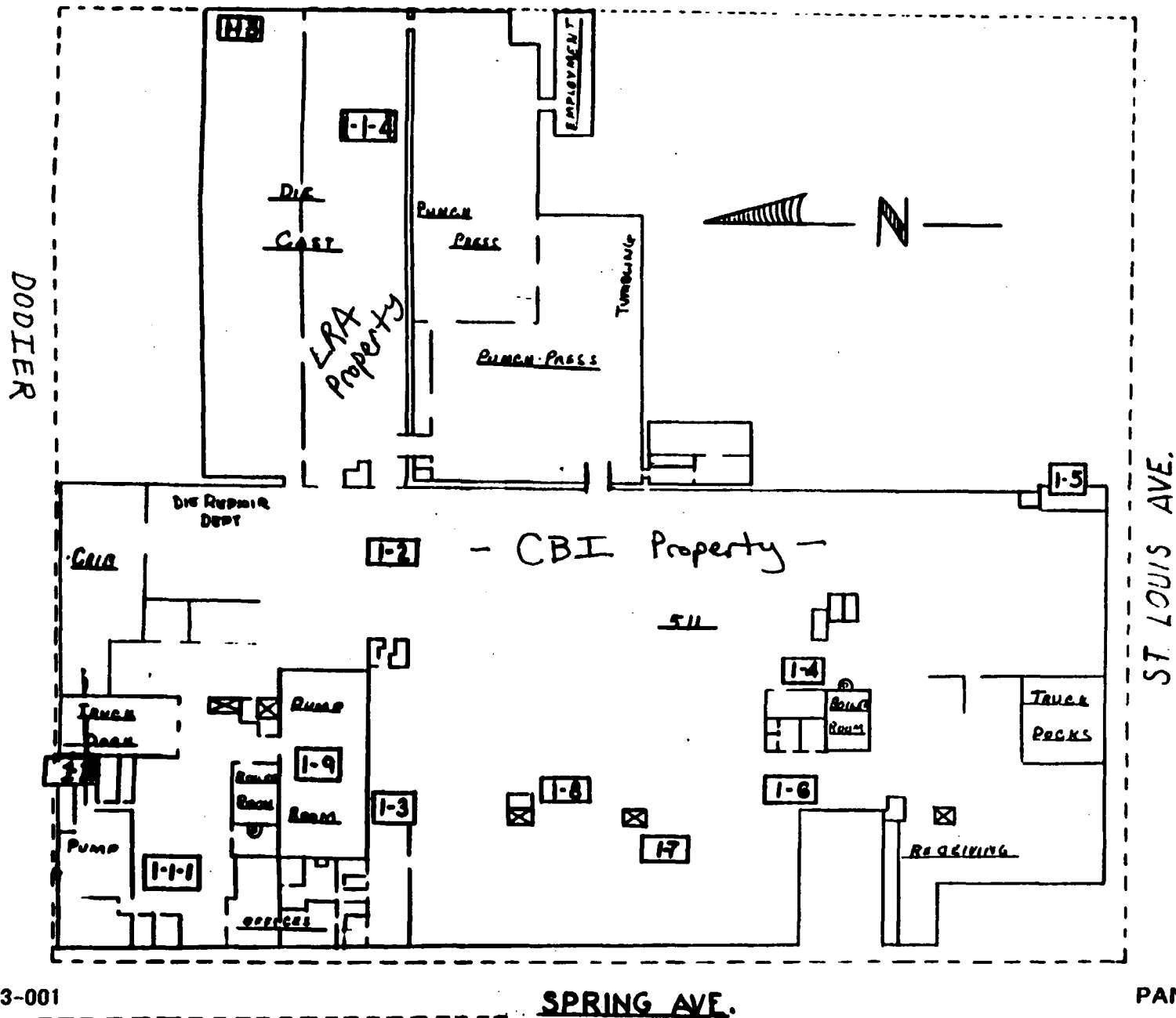
TDD#: T07-9503-001

PAN#: EMO1034SCA

ATTACHMENT B

CARTER CARBURETOR SITE
2800-2840 North Spring, St. Louis, MO

GRAND AVE.



ATTACHMENT C

<<PHOTOLOG>>

Ecology and Environment, Inc.

Photographic Record

Client: U.S. EPA REGION VII
Camera Make: OLYMPUS OM77AF

E & E Job No.: ZT3071
Serial No. : 1080224

SITE NAME: CARTER CARBURETOR SITE
SITE LOCATION: St. Louis, Missouri
TDD/PAN No.: T07-9503-001/EMO1034SCA

Photographer: Kinroth
Date/Time : 03/20/95 14:00
Lens: Type: 50 mm
Serial No.: 1028199
Frame No. : 3
Direction : E
Comments : Roof collapsing
in over diecast room area of
LRA property



<<PHOTOLOG>>

Ecology and Environment, Inc.

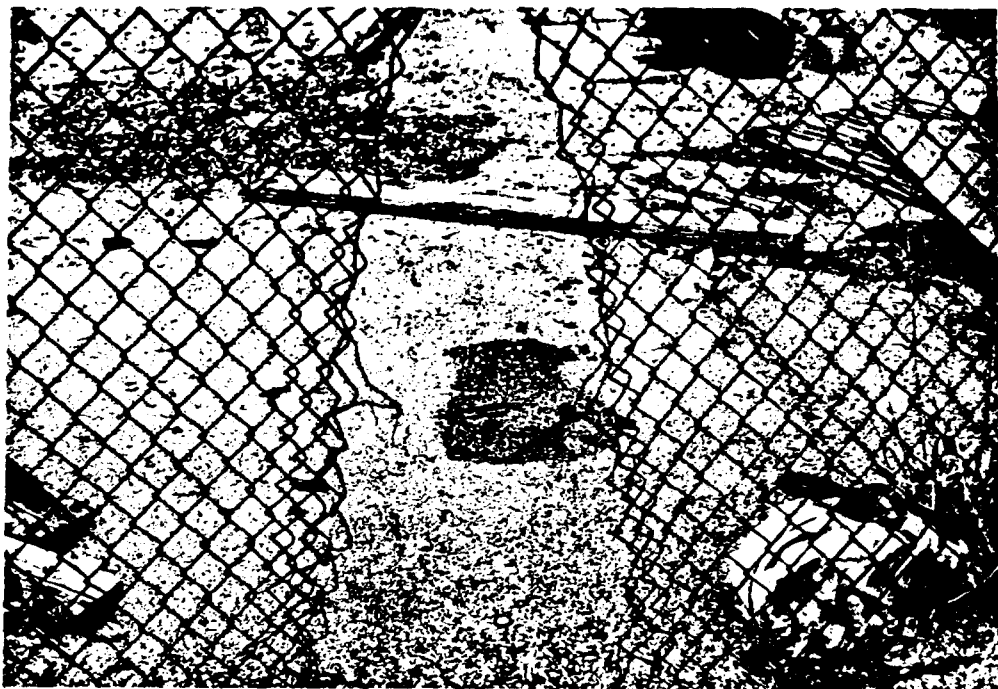
Photographic Record

Client: U.S. EPA REGION VII
Camera Make: OLYMPUS OM77AF

E & E Job No.: ZT3071
Serial No. : 1080224

SITE NAME: CARTER CARBURETOR SITE
SITE LOCATION: St. Louis, Missouri
TDD/PAN No.: T07-9503-001/EMO1034SCA

Photographer: Kinroth
Date/Time : 03/20/95 15:00
Lens: Type: 50 mm
Serial No.: 1028199
Frame No. : 1
Direction : S
Comments : Hole in fence in
north fence along Dodier St.-
north lot LRA property



Photographer: Kinroth
Date/Time : 03/20/95 12:55
Lens: Type: 50 mm
Serial No.: 1028199
Frame No. : 2
Direction : SW
Comments : Window frame
removed from north diecast
room-LRA property



CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

| | | | |
|---|--|---|-------------------------------|
| ACTIVITY LEADER(Print) <i>Hamera</i> | NAME OF SURVEY OR ACTIVITY <i>Carter Carburetor</i> | DATE OF COLLECTION <i>05</i> <i>07</i> <i>95</i> DAY MONTH YEAR | SHEET <i>1</i> of <i>1</i> |
|---|--|---|-------------------------------|

CONTENTS OF SHIPMENT

| SAMPLE NUMBER | TYPE OF CONTAINERS | | | | SAMPLED MEDIA | | | | | RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.) | |
|--------------------|---|--------|--------|--------|-------------------------|-------|------|----------|------|---|---------------------|
| | CUBITAINER | BOTTLE | BOTTLE | BOTTLE | VOA SET (2 VIALS EA) | water | soil | sediment | dust | | other |
| | NUMBERS OF CONTAINERS PER SAMPLE NUMBER | | | | | | | | | | |
| GZ155033 | | 803. | | | | X | | | | | S16-PCBs, SM-Metals |
| ↓ 034 | | 1 | | | | X | | | | | S16-PCBs, SM-Metals |
| <i>Not Sampled</i> | | | | | | | | | | | |

| | |
|--|---|
| DESCRIPTION OF SHIPMENT | MODE OF SHIPMENT |
| <u>2</u> PIECE(S) CONSISTING OF <u>1</u> BOX(ES) | <input checked="" type="checkbox"/> COMMERCIAL CARRIER: _____ |
| <u>1</u> ICE CHEST(S); OTHER _____ | _____ COURIER |
| | _____ SAMPLER CONVEYED |
| | (SHIPPING DOCUMENT NUMBER) |

PERSONNEL CUSTODY RECORD

| | | | | |
|---|-----------------------|---------------------|---|--|
| RELINQUISHED BY (SAMPLER) <i>Ray C Price</i> | DATE <i>2/6/95</i> | TIME <i>1250</i> | RECEIVED BY <i>Kaye L Dallmann</i> | 7-7-95 9:30 REASON FOR CHANGE OF CUSTODY <i>analysis</i> |
| <input checked="" type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | | | <input checked="" type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY | REASON FOR CHANGE OF CUSTODY |
| <input type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | | | <input type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY | REASON FOR CHANGE OF CUSTODY |
| <input type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | | | <input type="checkbox"/> SEALED UNSEALED <input type="checkbox"/> | |

